

ANOX[™] PP18 stabilizer

Phenolic Antioxidant



Description

ANOXTM **PP18 stabilizer** is a high molecular weight hindered phenolic antioxidant available in both powder and granular form.

Chemical Structure

Octadecyl-3-(3',5'-di-tert-butyl-4'-hydroxyphenyl) propionate

CAS-Number

2082-79-3

EINECS-Number

218-216-0

Formula

ANOX™ PP18 stabilizer

Typical physical properties of ANOX[™] PP18 stabilizer

Appearance	White, free flowing solid	
Melting Range, °C	50 – 55	
Flash Point, °C	273	
Molecular weight [g/mol]	531	
Bulk density [kg/m³]	Powder: 570 / NDB: 565	

SI Group Inc., 2750 Balltown Road, Schenectady, NY 12309 PH: +1 518.347.4200 www.siigroup.com

Page 1 of 3

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Solubility (g/100g solvent) @ 25°C

n-Hexane	78	Toluene	>100
Ethyl Acetate	>100	Xylene	104
Acetone	69	Methanol	0.4
Chloroform	>100	Mineral oil	10
Water	<0.1		

Thermogravimetric analysis (10°C/minute under N₂)

Weight Loss [%]	5	10	25
Temperature [°C]	260	278	302

Application

ANOX[™] **PP18 stabilizer** effectively reduces oxidative degradation of most polymeric substances during processing and end-use applications. **ANOX**[™] **PP18 stabilizer** is an excellent stabilizer for polyolefins, impact modified styrenics, block co-polymers, elastomers, adhesives, PVC and polyurethanes.

Food Contact

For details please contact SI Group Regulatory Affairs.

Handling and Storage

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 5 years from the date of receipt.

For additional handling and toxicological information consult the SI Group Material Safety Data Sheet.